

INVESTIGATOR'S ANNUAL REPORT

National Park Service

All or some of the information provided may be available to the public

Reporting Year: 1999	Park: Shenandoah NP
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Permit#: SHEN1999N-38	
Park-assigned Study Id. #: unknown	
Project Title: Shenandoah Watershed Study (N-38)	
Permit Start Date: Jan 01, 2000	Permit Expiration Date Jan 01, 2000
Study Start Date: Jan 01, 1979	Study End Date Jan 01, 2002
Study Status: Completed	
Activity Type: Other	
Subject/Discipline: Water Resources	
Objectives: (1) evaluation and interpretation of hydro-biogeochemical conditions in watershed systems and streams in Shenandoah National Park (SNP);(2) baseline monitoring and detection of change in hydro-biogeochemical conditions in SNP watershed ecosystems.	
Findings and Status: Weekly stream-water samples were collected for analysis from 6 SNP streams (North Fork of Dry Run, Deep Run, White Oak Run, Paine Run, Staunton River, and Plney River). Quarterly stream-water samples were collected from 9 additional streams. The quantity and chemistry of precipitation is determined for two locations (in the Deep Run/White Oak Run/Madison Run area and in the Shaver Hollow Research Natural Area). Continuous stream discharge measurements are obtained for five streams. Field research underway during the year includes studies of hydrologic and soil controls on stream-water chemistry. Data analysis was conducted during the year in support of research projects involving episodic acidification and fish population status.	
For this study, were one or more specimens collected and removed from the park but not destroyed during analyses? No	
Funding provided this reporting year by NPS: 74910	Funding provided this reporting year by other sources: 0
Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college	
Full name of college or university:	Annual funding provided by NPS to university or college this reporting year:

